



US Patent &amp; Trademark Office

[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☐ The Guide

HTML AND WAP AND translation AND mobile

SEARCH

THIS ACN LIBRARY HAS 115,219 RESULTS


 (4/2/2005) / 09/204,170  
[Feedback](#) [Report a problem](#) [Satisfaction survey](#)
Terms used **HTML AND WAP AND translation AND mobile**

Found 4,186 of 151,219

Sort results by

relevance

[Save results to a Binder](#)[Try an Advanced Search](#)

Display results

expanded form

[Search Tips](#)[Try this search in The ACM Guide](#)☐ Open results in a new window

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

Relevance scale ☐ ☐ ☐ ☐ ☐**1 W-mail: an electronic mail system for wearable computing environments**

Hirotaka Ueda, Masahiko Tsukamoto, Shojiro Nishio

August 2000 **Proceedings of the 6th annual international conference on Mobile computing and networking**Full text available: [pdf\(1.99 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes an e-mail system for wearable computing environments. In this system, we extend the conventional mail format and the server/client(browser) architecture by considering the specific features of wearable computing environments, i.e., full time operation, hands-free use of computer, and close relationship to our daily life. A mail author can specify the behavior of his/her mail by embedding several useful commands in the mail. A user can specify in the mail various conditi ...

**Keywords:** e-mail, location dependent service, wearable computing**2 A situated computing framework for mobile and ubiquitous multimedia access using small screen and composite devices**

Thai-Lai Pham, Georg Schneider, Stuart Goose

October 2000 **Proceedings of the eighth ACM international conference on Multimedia**Full text available: [pdf\(952.99 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In recent years, small screen devices, such as cellular phones or Personal Digital Assistants (PDAs), enjoy phenomenal popularity. PDAs can be used to complement traditional computing systems to access personal multimedia information beyond the usage as digital organizers. However, due to the physical limitations accessing rich multimedia contents and diverse services using a single PDA is more difficult. Hence, the Situated Computing Framework (SCF) research project at Siemens Corporate Rese ...

**Keywords:** WWW, composite devices, mobile and ubiquitous computing, situated computing**3 WEST: a Web browser for small terminals**

Staffan Björk, Lars Erik Holmquist, Johan Redström, Ivan Bretan, Rolf Danielsson, Jussi Karlgren, Kristofer Franzén

November 1999 **Proceedings of the 12th annual ACM symposium on User interface software and technology**Full text available: [pdf\(173.07 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We describe WEST, a Web browser for Small Terminals, that aims to solve some of the problems associated with accessing web pages on hand-held devices. Through a novel combination of text reduction and focus+context visualization, users can access web pages from a very limited display environment, since the system will provide an overview of the contents of a web page even when it is too large to be displayed in its entirety. To make maximum use of the limited resources available on a typica ...

**Keywords:** WAP (wireless application protocol), flip zooming, focus+context visualization, hand-held devices, proxy systems, text reduction, web browser

#### 4 Access control for mobile agents: The calculus of boxed ambients

Michele Bugliesi, Giuseppe Castagna, Silvia Crafa

January 2004 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 26 Issue 1

Full text available:  pdf(430.05 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


*Boxed Ambients* are a variant of Mobile Ambients that result from dropping the open capability and introducing new primitives for ambient communication. The new model of communication is faithful to the principles of distribution and location-awareness of Mobile Ambients, and complements the constructs in and out for mobility with finer-grained mechanisms for ambient interaction. We introduce the new calculus, study the impact of the new mechanisms for communication of typing and mobility, ...

**Keywords:** Ambient calculi, access control systems, mobile computation, type safety, type systems

#### 5 A model-checking verification environment for mobile processes

Gian-Luigi Ferrari, Stefania Gnesi, Ugo Montanari, Marco Pistore

October 2003 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 12 Issue 4

Full text available:  pdf(571.30 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)


This article presents a semantic-based environment for reasoning about the behavior of mobile systems. The verification environment, called HAL, exploits a novel automata-like model that allows finite-state verification of systems specified in the  $\pi$ -calculus. The HAL system is able to interface with several efficient toolkits (e.g. model-checkers) to determine whether or not certain properties hold for a given specification. We report experimental results on some case studies.

**Keywords:** Name-passing process calculi, mobile processes, modal logics, security, transition systems

#### 6 Efficient and language-independent mobile programs

Ali-Reza Adl-Tabatabai, Geoff Langdale, Steven Lucco, Robert Wahbe

May 1996 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 1996 conference on Programming language design and implementation**, Volume 31 Issue 5

Full text available:  pdf(1.03 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper evaluates the design and implementation of Omniware: a safe, efficient, and language-independent system for executing mobile program modules. Previous approaches to implementing mobile code rely on either language semantics or abstract machine interpretation to enforce safety. In the former case, the mobile code system sacrifices universality to gain safety by dictating a particular source language or type system. In the latter case, the mobile code system sacrifices performance to ga ...

#### 7 Address translation in telecommunication features

Pamela Zave

January 2004 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,

Volume 13 Issue 1

Full text available:  pdf(378.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Address translation causes a wide variety of interactions among telecommunication features. This article begins with a formal model of address translation and its effects, and with principles for understanding how features should interact in the presence of address translation. There is a simple and intuitive set of constraints on feature behavior so that features will interact according to the principles. This scheme (called "ideal address translation") has provable properties, is modular (expl ...

**Keywords:** Component architecture, feature interaction, formal methods, network addressing, network protocols, network security, requirements, telecommunications

## 8 Channel dependent types for higher-order mobile processes

Nobuko Yoshida

January 2004 **ACM SIGPLAN Notices , Proceedings of the 31st ACM SIGPLAN-SIGACT symposium on Principles of programming languages**, Volume 39 Issue 1

Full text available:  pdf(306.94 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


This paper introduces a new expressive theory of types for the higher-order  $\lambda$ -calculus and demonstrates its applicability via two security analyses for higher-order code mobility. The new theory significantly improves our previous one presented in [55] by the use of *channel dependent/existential types*. New dependent types control dynamic change of process accessibility via channel passing, while existential types guarantee safe scope-extrusion in higher-order process passing. This so ...

**Keywords:** access control, mobile processes, secrecy, the higher-order  $\lambda$ -calculus, types

## 9 Traffic impacts of international roaming on mobile and personal communications with distributed data management

Jyhi-Kong Wey, Wei-Pang Yang, Lir-Fang Sun

December 1997 **Mobile Networks and Applications**, Volume 2 Issue 4

Full text available:  pdf(728.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, we propose four network interconnection scenarios and the related signaling aspects for the international roaming traffic in mobile and personal communications. With or without international gateway relay nodes summarized from the proposed scenarios, we also derive three international roaming network sets {IR1, IR2, IR3} for the observed signaling traffic model with two-level databases. Based on the proposed perfo ...

## 10 The Satchel system architecture: mobile access to documents and services

Mike Flynn, David Pendlebury, Chris Jones, Marge Eldridge, Mik Lamming

December 2000 **Mobile Networks and Applications**, Volume 5 Issue 4

Full text available:  pdf(207.51 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Mobile professionals require access to documents and document-related services, such as printing, wherever they may be. They may also wish to give documents to colleagues electronically, as easily as with paper, face-to-face, and with similar security characteristics. The Satchel system provides such capabilities in the form of a mobile browser, implemented on a device that professional people would be likely to carry anyway, such as a pager or mobile phone. Printing may be per ...

## 11 Posters: Interoperability for mobile agents by incarnation agents

Tetsuo Hasegawa, Kenta Cho, Fumihiko Kumeno, Shin Nakajima, Akihiko Ohsuga, Shinichi

Honiden

July 2003 **Proceedings of the second international joint conference on Autonomous agents and multiagent systems**Full text available:  [pdf\(78.57 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Many different kinds of mobile agent platforms have been developed. However, migration to a different type of mobile agent platform is actually impossible. As a solution to this problem, we propose an interoperability concept using incarnation agents. This concept realizes logical mobility between different kinds of agent platforms. The incarnation agent extracts an agent's procedures and status, compiles them into an agent platform-independent format, and then re-compiles them to the target age ...

**Keywords:** interoperability, mobile agent

## 12 XML dataspace for mobile agent coordination

Giacomo Cabri, Letizia Leonardi, Franco Zambonelli

March 2000 **Proceedings of the 2000 ACM symposium on Applied computing**Full text available:  [pdf\(785.40 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 13 Service infrastructure and network management: MobiDesk: mobile virtual desktop computing

Ricardo A. Baratto, Shaya Potter, Gong Su, Jason Nieh


September 2004 **Proceedings of the 10th annual international conference on Mobile computing and networking**Full text available:  [pdf\(580.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present MobiDesk, a mobile virtual desktop computing hosting infrastructure that leverages continued improvements in network speed, cost, and ubiquity to address the complexity, cost, and mobility limitations of today's personal computing infrastructure. MobiDesk transparently virtualizes a user's computing session by abstracting underlying system resources in three key areas: display, operating system, and network. It provides a thin virtualization layer that decouples a user's computing ses ...

**Keywords:** computer utility, network mobility, on-demand computing, process migration, thin-client computing, virtualization

## 14 Nomadic pict: correct communication infrastructure for mobile computation

Asis Unyapoth, Peter Sewell

January 2001 **ACM SIGPLAN Notices , Proceedings of the 28th ACM SIGPLAN-SIGACT symposium on Principles of programming languages**, Volume 36 Issue 3Full text available:  [pdf\(326.01 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper addresses the design and verification of infrastructure for mobile computation. In particular, we study language primitives for communication between mobile agents. They can be classified into two groups. At a low level there are *location dependent* primitives that require a programmer to know the current site of a mobile agent in order to communicate with it. At a high level there are *location independent* primitives that allow communication with a mobile agent irrespective ...

## 15 Mobile agent security with the IPEditor development tool and the mobile UNITY language

Yasuyuki Tahara, Akihiko Ohsuga, Shinichi Honiden

May 2001 **Proceedings of the fifth international conference on Autonomous agents**Full text available:  [pdf\(152.43 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Many people consider that security is one of the biggest problems for practical use of mobile